



REPORT
OF THE
BOARD OF GOVERNORS
AND
THE PRESIDENT
OF THE
UNIVERSITY OF ALBERTA
1939-40



REPORT
OF THE
BOARD OF GOVERNORS

THE UNIVERSITY

OF ALBERTA

1910

To the Lieutenant Governor in Council.

SIR:

On behalf of the Board of Governors of the University of Alberta, and in accordance with section 29, subsection 2, of an Act respecting the University of Alberta, the undersigned have the honour to transmit through the Minister of Education the Report of the University of Alberta, setting forth the receipts and expenditures for the year ending March 31st, 1939, and the investments as they stood at the end of the fiscal year.

Appended to the Report is the Report of the President of the University, in which the academic work of the University for the year, July 1st, 1939, to June 30th, 1940, is dealt with in detail.

H. H. PARLEE, *Chairman.*

W. A. R. KERR, *President.*

Financial Statement

UNIVERSITY OF ALBERTA

BALANCE SHEET AS AT MARCH 31, 1940

ASSETS

FIXED:

Buildings and equipment in service:		
Land, buildings and plant	\$3,788,164.21	
Furnishings and equipment	859,727.56	
		\$4,647,891.77

CURRENT:

Cash on hand and in transit	\$ 4,050.98	
Cash in Treasury Branch	511.67	
Accounts receivable:		
Sundry debtors	\$14,155.04	
Less: Reserve for uncollectible accounts	2,000.00	
	12,155.04	
Interest accrued	1,562.50	
Inventories and supplies:		
Merchandise held for re-sale	\$21,852.35	
Supplies	8,253.96	
	30,106.31	
		48,386.50

OTHER ASSETS:

Livestock on hand	\$ 23,921.50	
Deposit: Workmen's Compensation Board	2,776.25	
		26,697.75

PREPAYMENTS:

Insurance unexpired		243.75
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DEFERRED CHARGES AND CAPITAL LOSSES:

Bond discount and expense	\$ 211,243.08	
Artificial gas plant abandoned	12,282.01	
Sundry	416.15	
		223,941.24
		\$4,947,161.01

TRUST:

Investments:	Par Value	Book Value
Dominion of Canada debentures	\$ 13,800.00	\$ 14,171.37
Dominion of Canada guaranteed debentures	1,500.00	1,500.00
Province of Alberta debentures	675,400.00	665,324.57
Province of Alberta debentures past due	8,000.00	8,000.00
Province of Alberta guaranteed debentures	7,000.00	7,000.00
Province of Alberta savings certificates past due	21,500.00	21,500.00
Other debentures and shares	12,146.68	12,146.68
	\$739,346.68	\$ 729,642.62
Cash on hand		547.26
Cash in bank		59,625.85
Loans receivable		2,102.55
Accounts receivable		134.00
Mortgage interest receivable		4,214.42
Mortgages receivable		51,071.87
Real estate and shares, nominal value		18.00
		847,356.57
		\$5,794,517.58

LIABILITIES

CAPITAL AND SURPLUS:

Advances from Province of Alberta	\$4,769,399.65	
Capital surplus arising from:		
Equipment donated	\$ 13,192.63	
Sundry sales and bequests	2,073.98	
Income contributions to new farm	1,806.75	
Income contributions to library	115,648.88	
	<u>\$132,722.24</u>	
Deduct: Revenue deficit as per State-		
ment	17,636.46	
		<u>115,085.78</u>
		\$4,884,485.43

CURRENT:

Bank overdraft	\$ 1,712.43	
Accounts payable—Sundry creditors	29,348.51	
University of Alberta Hospital	54.94	
		<u>31,115.88</u>

RESERVES:

Premium on Rockefeller grant	\$ 18,221.66	
Unexpended library fees and donations	10,453.74	
Workmen's Compensation Board	2,884.30	
		<u>31,559.70</u>
		\$4,947,161.01

TRUST:

Rockefeller Foundation	\$ 500,000.00	
Escheated Estates	162,382.38	
Carnegie grant in aid of pension fund	56,058.66	
Sundry endowments, bequests and scholarship grants		
and amounts administered or held for affiliated		
organizations and others	125,901.39	
Trust accounts payable	3,014.14	
		<u>847,356.57</u>
		<u>\$5,794,517.58</u>

Edmonton, Alberta, September 27, 1940.

I have audited the books of account of the University of Alberta for the year ended March 31, 1940, and the above Balance Sheet and accompanying Statement of Revenue and Expenditure are in accordance therewith.

Land, buildings and plant are shown at original cost without provision for depreciation.

An inventory of furnishings and equipment was not available at March 31, 1940. No provision has been made for depreciation, but University officials are of the opinion that the value of furnishings and equipment has been maintained by renewals and additions from revenue.

Trust fund investments include Province of Alberta past due debentures and savings certificates of a par value of \$29,500.00. Interest on Province of Alberta direct and guaranteed issues was accepted during the year ended March 31, 1940, at reduced rates set forth in Chapter 11, Statutes of Alberta, 1936 (Second Session).

Principal repayments on mortgages receivable were in arrears \$19,071.87 as at March 31, 1940.

Subject to the foregoing remarks, I certify that, in my opinion, the above Balance Sheet is properly drawn up so as to show the financial position of the University of Alberta as at March 31, 1940, and the accompanying Statement of Revenue and Expenditure correctly sets forth the result of operations for the year ended at that date.

CHAS. M. LANG, F.C.A.,
Acting Provincial Auditor.

UNIVERSITY OF ALBERTA
STATEMENT OF REVENUE AND EXPENDITURE
FOR THE YEAR ENDED MARCH 31, 1940

REVENUE

Province of Alberta:			
Grant	\$	425,000.00	
Debt charges		126,913.72	
			\$ 551,913.72
Rockefeller Foundation			12,500.00
General and summer school fees			257,261.94
Library fees			9,510.25
Garage rentals			1,344.30
Operating departments' net revenue:			
	Revenue	Expenditure	
Rentals	\$ 42,771.32	\$ 26,316.82	16,454.50
Dining room	64,520.28	57,791.36	6,728.92
Bookstore and post office	48,615.00	42,858.33	5,756.67
Printing department	31,286.75	22,857.67	8,429.08
Works department	35,360.04	34,219.39	1,140.65
	<u>\$222,553.39</u>	<u>\$ 184,043.57</u>	
			<u>\$ 871,040.03</u>

EXPENDITURE

Salaries:			
Total salaries and wages	\$	659,931.87	
Less: Charged to departments		290,605.10	
			\$ 369,326.77
Debt charges			126,913.72
Operating departments' net expenditure:			
	Expenditure	Revenue	
Department of Agriculture	\$116,751.17	\$ 20,558.35	96,192.82
Provincial and industrial laboratories	50,936.07	11,982.63	38,953.44
Department of Extension	48,575.08	19,519.03	29,056.05
Power plant	52,202.01	25,775.70	26,426.31
Department of Dentistry	16,268.58	4,205.12	12,063.46
Department of Pharmacy	9,556.81	685.09	8,871.72
	<u>\$294,289.72</u>	<u>\$ 82,725.92</u>	
Maintenance and repairs			43,689.08
Pensions			20,701.91
Instruction—laboratories			18,389.74
Special clinical services			17,500.00
Research Council			11,262.83
Provision for library extension			9,510.25
Summer school			8,336.83
Insurance			3,132.55
Calendars, press bulletins, etc.			2,651.01
Library			2,241.44
Telephone and telegrams			2,234.06
Printing and Stationery			2,190.34
Travelling expenses			1,898.53
Rent			1,299.00
Upkeep of cars			1,239.21
Bank interest			1,130.84
Postage and excise			1,010.81
Provost			858.06
Scholarships and medals			282.60
Physical education			240.33
Sundry			2,664.00
			<u>\$ 860,267.71</u>

Excess of revenue over expenditure for the year ended March 31, 1940	\$	10,772.32
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DEFICIT ACCOUNT
FOR THE YEAR ENDED MARCH 31, 1940

Deficit at March 31, 1939	\$	28,045.79
Add: Sundry adjustments of previous year's expenses		362.99
	\$	28,408.78
Deduct: Excess of revenue over expenditure for the year ended March 31, 1940		10,772.32
Deficit at March 31, 1940	\$	17,636.46

The Report of the President

I have the honour to submit the following report on the academic work of the University of Alberta for the year ending June 30th, 1940.

Before submitting detailed information concerning registration and other matters relating to the student body together with the annual reports of administrative officers, I desire to make some general observations touching the work of the University as a whole during the academic year just elapsed.

Registration.

The total registration of students for the current academic year has amounted to 2,327, an increase of 132 over the number enrolled for 1938-39, more than might have been expected on account of the war which broke out in September last.

Forty-seven students are pursuing graduate work elsewhere, distributed among the following universities and colleges:

Bryn Mawr College, University of California, California Institute of Technology, Cornell University, University of Chicago, Harvard University, Iowa State College, University of London, Massachusetts Institute of Technology, McGill University, University of Minnesota, Northwestern University, University College, Oxford, Ohio State College, University of Oklahoma, Princeton University, Queen's University, University of Toronto, University of Wisconsin, Yale University, Washington State College.

Staff Changes.

Staff changes this year have been mostly due to enlistment of members of the teaching body—particularly, perhaps, in the faculty of Medicine—and to illness amongst the senior professorate. Amongst the former group, Dean Allan C. Rankin of the Faculty of Medicine was one of the earliest to leave. He was called by the Department of Defence to occupy the important post of Chief of the Hygiene Service in Canada. Then Professor Charles A. Robb was appointed Chief of the Gauge Division. Since these early enlistments, several other members of our teaching staff have joined the Canadian military organization: Capt. W. G. Myatt, the newly appointed Director of Physical Education, Lieut.-Col. R. T. Washburn, Superintendent of the University Hospital, Dr. Kenneth Hamilton, Dr. M. Weinlos, Dr. R. W. Bradley of the School of Dentistry and Mr. H. A. Dyde who has joined the secretariat of the Minister of Defence. Further, Miss Agnes McLeod, Director of the School of Nursing, has also joined the nursing service of the army. During her absence on military duty, she will be replaced as lecturer in Public Health Nursing and Health Education by Miss Helen McArthur, also one of our own graduates who has been pursuing advanced study at Columbia University.

A considerable number of undergraduates are already in uniform, though the University has backed the military authorities in discouraging students whose

professional training was still incomplete from trying to enlist. I may add that a special committee of the General Faculty, headed by Major D. E. Cameron, has been set up to deal with the problems of students who wished to take up arms or who had developed time-table clashes between their military duties and their University work.

The Board of Governors has regretfully accepted the resignation of Dr. Kenneth William Neatby, professor and head of the department of Field Crops. Dr. Neatby came to us five years ago with a high reputation as an authority on plant breeding. This reputation he has maintained during his sojourn at the University. His department has been the source of a large amount of valuable scientific research. Dr. Neatby has gone from us to the important post of Director of Agricultural Departments North West Line Elevators Association, whose headquarters are in Winnipeg. He carries with him his colleagues' warmest wishes for all success and happiness in his new work.

To replace Professor Neatby the Board of Governors has appointed Dr. John Ansel Anderson, a former graduate of our own who has had an extensive training in Canada and in Europe as an investigator and also with the National Research Council and the Grain Commission.

In addition, to complete the staff of the department of Field Crops, the Board has appointed Dr. J. W. Boyes as assistant professor. Dr. Boyes has been recently with the National Research Council at Ottawa.

Again I must regretfully report the retirement on pension of one of our veteran teachers in the person of Professor Cecil Scott Burgess of the department of Architecture. Professor Burgess joined our staff in 1913 at a time when the original building scheme was in full process of development. It was in accord with his plans that Pembina Hall was erected and he was also associated with the construction of the Arts Building and the Medical Building. The Plant Pathology Laboratory was later erected under his supervision. In addition to his collaboration with the actual building scheme, the resources of his wide learning were continually being requisitioned. As an acknowledged authority on town-planning he has contributed much to the embellishment of Edmonton and has always taken an active interest in the development of the University grounds. Beyond these humane activities, too, he has been responsible for the excellent display of pictures hung in the hall adjacent to the Senate Chamber. It is encouraging to note the constant groups of students examining and criticizing the pictures from time to time exhibited. It is a pleasure for me to state that Professor Burgess will continue to reside in Edmonton.

Professor Henri de Savoye, since 1920 a respected member of the department of Modern Languages, has also retired. Professor de Savoye over a score of years has borne ungrudgingly and faithfully the heat and the burden of the day. A loyal and laborious colleague, he has always been ready to carry out more than his share of the common task. His colleagues wish for him, as he gives over his official duties, many years of good health in which to enjoy the leisure he has so meritoriously earned.

It is with profound sorrow that I record the death of Ernest Albert Howes for a quarter of a century Dean of the Faculty of Agriculture in this University. It became his conscious task to make the University's gospel of modern scientific agriculture understood and appreciated by our farming community and in this far-

sighted effort he was highly successful. Endowed with a strong sense of humour he was widely popular and much sought after as a public speaker. He had a facile pen and his recent book, "With a Glance Backward," contains charming reminiscences of his youth in rural Ontario. We shall miss him sorely.

To replace the late Dean Howes was an exceedingly difficult problem. After long and serious consideration the Board has appointed Dr. Robert Newton, formerly head of the department of Field Crops in this University and in recent years Chief of the Division of Agriculture and Biological Sciences in the National Research Council at Ottawa. Dr. Newton is a man of continental reputation as an investigator and administrator and will be warmly welcomed back to Alberta by his many old friends and associates.

Academic distinctions have recently been awarded to two members of our teaching staff: associate professor R. L. Rutherford of the department of Geology has been elected to a fellowship in the Mineralogical Society of America and Dr. R. G. Huckle of the department of Surgery has received the Diploma of the American Board of Orthopaedic Surgery and has been made a Fellow of the American Academy of Orthopaedic Surgery. To both of these scholars I extend the congratulations of the University, which to some extent shares in the distinctions which have so deservedly been bestowed on our colleagues.

At the beginning of the session it was announced that a valuable group of Dominion-Provincial scholarships had become available. The total sum involved amounted to \$4,000.00. The individual grants were not large but, in many necessitous cases enabled the recipients to continue studies they would otherwise have been compelled to give up. Altogether fifty-four students were assisted.

The University also received from Mr. J. S. McLean of Toronto a gift of \$1,000 to provide for eight scholarships of \$125.00 each to be awarded to promising and needy students from rural areas. It is often the last hundred dollars in cash which is difficult to come by, and the University is deeply grateful to Mr. McLean for his generous action.

The Alberta Wheat Pool has provided the sum of \$1,300.00 for scholarships to enable graduates of the Provincial Agricultural Schools to enter the University.

There is no domain where the generosity of the public can be more effectively exercised than in the provision of scholarships, nor, on the other hand, any educational field in which this country is so poorly equipped.

There exists a traditional and ill-founded notion, hard to eradicate, that the universities are luxurious institutions operating for seven or eight months in the year and then giving their professors four to five months' holidays. No idea could be farther from the truth. The facts are precisely to the contrary. Work proceeds at high pressure during the autumn, winter and spring terms. But knowledge grows like a snowball all the year round, and the summer leisure is required by our teachers and investigators to overtake and consolidate new theories and scientific discoveries. Take for instance the new drug, sulphapyridin. Till just the other day pneumonia was killing its thousands annually. This number almost overnight has been cut fifty per cent by administration of this new chemical. As for the University plant itself, it is kept busy and occupied practically all summer long except for short periods required for cleaning and overhaul. In our own case Convocation comes at the middle of May. Early in June a large group of farm young people establish themselves in our halls for a couple of weeks. From the

beginning of July till mid-August runs the Summer Session. Already this spring a special course in Dairying has been put on. A Refresher Course in Dentistry—the first of its kind in this University—has met with a gratifying response; and a course for Land Inspectors was offered in March, meeting also with wide acceptance. The ninth annual refresher course for doctors has just begun under the joint auspices of the Canadian Medical Association and our own Medical Faculty.

A course particularly featuring Accounting and Economics will be offered in June for the benefit of municipal secretary-treasurers.

With the approval of the military authorities, courses also in motor mechanics and cooking, for army cooks, have been in operation during the past winter.

May I take this public opportunity of thanking most warmly the members of our teaching staff for their generous assistance in making these courses available.

In general, I am profoundly convinced that everything the University can do to give a professional colour and status to the vocations of our citizens is a move in the right direction.

I should like to refer to the vast improvement in the housing and equipment of the out-patient department of the University Hospital. The Clinic had completely outgrown its quarters: its condition was causing serious anxiety. When the Government acquired the Kelly-Ramsey building, one floor, through the considerate intervention of the Department of Health, was turned over to the Hospital and by the sympathetic co-operation of the Department of Public Works was most skillfully transformed into a home for the Clinic of which we are immensely proud and which can hardly be equalled in Canada.

Banff School of Fine Arts.

It is a pleasure to be able to state that after a considerable period of negotiation and sometimes trying delay the new Banff theatre-hall was formally opened in January last. Its cost amounted to close on to fifty thousand dollars. The building is admirably planned. The stage is commodious and equipped with the most modern lighting system. All three parties concerned in the building of the structure—the citizens of Banff, who contributed most of the money; the Dominion Government, which provided the site and whose architects drew the plans; and the Provincial University, which interested itself in the provision of an unusually modern stage—are to be congratulated on a happy issue out of all their troubles. Our Banff Summer School of Fine Arts, whose program of music, painting and drama runs through the month of August, could hardly have continued but for the timely erection of this satisfactory home for its many activities.

College of Education.

It is my belief that a very important step in the evolution of this University was taken when the Senate and Board of Governors by concurrent action in the autumn of 1939 raised the status of the School of Education to that of a College of Education in the University. The Board subsequently promoted Dr. M. E. LaZerte, hitherto Director of the School, to the principalship of the College and authorized the appointment to the teaching staff of an additional professor in the person of Dr. Kenneth F. Argue, an I.O.D.E. scholar from this University who has had extended graduate study in the field of Education both in Europe and in the United States. All action has been taken after friendly consultation with the

representatives of the Alberta Teachers' Association and with the cordial approval and support of the Provincial Department of Education. The College of Education will begin its official life with the opening of the coming autumn term.

St. Joseph's College.

The University community was very sorry last summer to say good-bye to the Rev. Brother Memorian, who for six years had been Rector of St. Joseph's College and who has now been sent by his Order to a new and important post of duty in the Far East. We shall miss deeply the hospitable and liberal-minded scholar who for the few past difficult years has presided with much tact and wisdom over the destinies of St. Joseph's. At the same time the University warmly welcomes his successor, Brother Ansbert, and has already found in him an understanding and tolerant colleague under whose humane direction St. Joseph's will continue, I am sure, to make its unique contribution to the life of this University.

CKUA.

Within a short time CKUA, the University Radio Station, will have to be rehabilitated. Since it went on the air some thirteen years ago, it has been in continual operation and has beyond question established itself as the leading educational broadcasting station in this country. Its equipment, however, is now seriously run down and is in urgent need of thorough and complete overhaul. There is a call also from its patrons for an increase of power and coverage. It is expert opinion that before another season opens the problem presented by the success of CKUA in its own domain must be faced and solved. Our station with its attractive and individual programme is one of the characteristic features of the Department of Extension, indeed of the Canadian radio world and must continue to develop and expand.

An enviable compliment has been paid to Professor J. A. Allan, head of our Department of Geology, by the Council of the Geological Society of America, which has made a grant to Dr. Allan personally of \$700.00 to enable him to pursue a study of the structural relationships of several formations within the eastern slope of the Canadian Rocky Mountains in Western Alberta.

Our Alumni have lately been re-organized. Many of them have already reached positions of prestige and power in this province and are eager to advance in a practical way the University's interests. From now on, I believe, they will be increasingly heard from.

In spite of present serious difficulties, the high mission of the Provincial University remains clear and unchallengeable. It is a storehouse of impartial knowledge; it is the scientific arm of the Government; it is the latter's medium for the training of the professional classes which increase inevitably as year by year our civilization grows more and more complex.

The following are the statistics with reference to the teaching staff during the year:

Full-Time Staff:

(a,b) Professors	53
(c) Associate Professors	13
(d,e) Assistant Professors	14
Lecturers	16
Instructors	6
Demonstrators and Assistants	7
Total	109

- (a) 5 on leave.
- (b) 2 on leave for War Service.
- (c) 2 on leave.
- (d) 1 on leave.
- (e) 1 on leave for War Service.

Part-Time Staff:

Professors	12
Associate Professors	4
Assistant Professors	10
(f, g) Lecturers	20
(h) Instructors	13
(i) Demonstrators and Assistants	63
Total	122

- (f) 1 on leave.
- (g) 2 on leave for War Service.
- (h) 1 on leave for War Service.
- (i) 1 on leave for War Service.

Library:

Librarian	1
Assistants	6
Sessional Help	3
Total	10

Extension Department:

Director	1
Librarian	1
Lecturer	1
Total	3

**Department of Industrial Research:*

Research Professor	1
Assistants	1
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Total	2

Industrial Laboratory:

Director	1
Assistants	1
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Total	2

*Under the direction of the Research Council of Alberta one professor and two assistants devote their whole time to investigational work. This work is carried out on behalf of the Government of Alberta by the Provincial University.

REGISTRATION BY FACULTIES

As distributed in the various faculties and schools the numbers are as follows:

Total Registration	2327
1. Arts and Science	787
B.A. and B.Sc.	454
School of Commerce	96
School of Household Economics	96
Auditors	4
Combined Courses:	
Arts and Medicine	82
Arts and Dentistry	6
Arts and Law	39
Arts and Applied Science	1
Arts and Agriculture	6
Arts and Commerce	3
—	137
2. Applied Science	300
Including Chemical, Civil, Electrical, Mining and Architecture.	
3. Agriculture	146
4. Law	59
5. Medicine	512
Medicine	233
Partial Medicine	1
Dentistry	73
Pharmacy Degree	14
Pharmacy Licentiate	45
Nursing Degree	76
Nursing Diploma	70
6. School of Education	33
7. Divinity	9
8. Summer Session (1939)	396

9. Short Course in Agriculture	20
10. Graduate Students	129
Arts and Science:	
M.A.	31
M.A. (Educ.)	38
M.Sc.	19
B.Educ.	4
Agriculture:	
M.Sc.	13
Special students	24
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Total.....	2391
Less duplicates in Summer Session	64
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Total.....	2327

GIFTS

From the National Research Council: For research in Agriculture in the departments of Field Crops and Soils, \$12,683.56. For research in Medicine in the department of Biochemistry, \$1,850.00. For research in Natural Gas, \$339.20.

From the Department of Agriculture, Dominion Government: For research in Agriculture, \$2,400.00. For a botanical survey, \$1,200.00.

From the Department of National Health, Dominion Government: For a nutritional survey by the department of Biochemistry, \$2,600.00.

From the United Grain Growers: For the Alberta School of Community Life, \$500.00. For research in Agriculture, Department of Field Crops, \$1,000.00.

From the Alberta Wheat Pool: For the Alberta School of Community Life, \$500.00; For research in Agriculture, Department of Field Crops, \$100.00.

From Colonel J. H. Woods, Calgary: A gift of \$1,000.00 to the Men's Faculty Club to establish a collection of books in the University Library dealing with the relations of Canada and the United States. Through the intermediary of Colonel Woods an additional sum of \$500.00 was given the library to be devoted to the purchase of further books for the above mentioned collection.

From the C.I.B.A. Company of Montreal: For research in Biochemistry, \$400.00.

From the Canadian Association for Adult Education; For the Alberta School of Community Life, \$200.00.

From the College of Physicians and Surgeons of Alberta: For the Medical Library, \$275.00.

From the Boyce-Thompson Institute: For plant research in the department of Horticulture, \$200.00.

To the Department of Geology: Suites of ores, minerals and rocks representing several hundred specimens from various sources mostly from graduates and senior students of the University, to the value of \$250.00.

From the Alberta Concrete Company: For experimental work in concrete, \$100.00.

From the Edmonton Horticultural Society: Towards the maintenance of test plots under the supervision of the department of Horticulture, \$50.00.

From the Graduating Class of '39: A drinking fountain for the Medical Building valued at \$100.00.

From Dr. Erich Mueller, Department of Modern Languages: A piece of Pompeii frieze taken from a house in Pompeii.

From the estate of the late Dr. F. H. Mewburn: The valuable medical library of the late Dr. F. H. Mewburn, the first professor to hold the chair of Surgery in the University of Alberta.

From Dr. Egerton L. Pope, Head of the Department of Medicine: A portrait in oils painted by himself of Dr. Robert C. Wallace, former President of the University of Alberta.

A gift made possible through the efforts of Professor H. C. Jamieson as the result of monies donated by the Alberta Medical Council and the Jamieson Medical History Club: A copy of the celebrated *Icones Anatomicae* by Andreas Vesalius printed from the original sixteenth century blocks brought to light recently in Munich.

From the Women's Auxiliary, University Hospital: Ten dollars in books for a prize in the School of Nursing and ten dollars for books for the library of the School of Nursing.

From the Edmonton Journal: An obsolete transmission unit to be used by students for experimental purposes in the department of Electrical Engineering.

PUBLICATIONS BY STAFF

By the President, Dr. W. A. R. Kerr: "So You Want to be a Teacher," D.K.E. Quarterly, October, 1939.

Department of Agricultural Engineering.

By J. Macgregor Smith: "Ropework for the Farm," Bulletin no. 9 of the College of Agriculture, University of Alberta, fifth edition (revised).

Department of Animal Husbandry.

By R. D. Sinclair: "The Salt Requirement of Growing Pigs," Scientific Agriculture, v. 20, no. 2, pp. 109-119, October, 1939.

"Iodine in Supplementary Feeding," Canadian Cattlemen, v. 2, no. 3, March, 1940.

"Marketing Low Grade Wheat through Livestock," Free Press and Prairie Farmer, September, 1939.

Department of Bacteriology.

The following work has been published under the sponsorship of this department:

By E. S. Dowding and A. H. R. Buller: "Nuclear Migration in *Gelasinospora*," Mycologia, v. XXXII, no. 4, July-August, 1940.

Department of Biochemistry.

By L. B. Pett: "Vitamin A deficiency: its prevalence and importance as shown by a new test," Journal of Laboratory and Clinical Medicine, v. 25, pp. 149-60, 1939.

By L. B. Pett, Marian Lipkind and G. A. LePage: "Vitamin A in ling cod liver oil," Nature, v. 144, p. 634, 1939.

By L. B. Pett and G. A. LePage: "Vitamin A deficiency. III. Blood analysis correlated with a visual test," *Journal of Biological Chemistry*, v. 132, pp. 585-93, 1940.

Department of Botany.

By E. H. Moss: "Overwintered Giant Puff-Balls in Alberta," *Mycologia*, 32, pp. 271-273, 1940.

Department of Chemistry.

By J. W. Shipley and M. T. Rogers: "The production of ethane, quinhydrone, and potassium cupric cyanide by A.C. electrolysis," *Canadian Journal of Research B*, 17, pp. 167-177, 1939.

By O. J. Walker and G. R. Finlay: "The determination of small amounts of fluorine in water," *Canadian Journal of Research B*, 18, pp. 151-59, 1940.

By O. J. Walker, G. R. Finlay and W. E. Harris: "The removal of fluorine from Alberta Waters," *Canadian Journal of Research B*, 17, pp. 308-17, 1939.

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Department of Dairying:

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Department of Dentistry:

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Department of Mathematics.

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Department of Medicine.

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Department of Philosophy.

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Department of Physics.

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By H. E. Johns: "The Viscosity of Liquid Hydrogen," Canadian Journal of Research, 17, pp. 221-226, December, 1939.

Department of Political Economy.

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By A. Stewart: "The Prairie Farm Rehabilitation Programme," Canadian Journal of Economics and Political Science, pp. 310-324, August, 1939.

Department of Poultry.

By D. R. Clandinin: "The Protein Requirements of Poultry," Alberta Poultry Federation Catalogue, p. 17, 1940.

Department of Soils.

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Department of Surgery.

By W. C. Whiteside: "Middle Lobe Bronchiectasis," Journal Canadian Medical Association, v. 41, no. 3, pp. 278-280, 1939.

EXCERPTS FROM THE REPORTS OF ADMINISTRATIVE OFFICERS

The following excerpts from the reports of administrative officers give some indication of the broad scope of the work of the University:

Report of Dean G. M. Smith of the Faculty of Arts and Science

1.—Registration, 1939-40.

During the regular academic session, 1939-40, 787 students have been registered in the Faculty of Arts and Science as compared with 761 in 1938-39. An analysis of the registration is attached to this report.

2. The number of the teaching staff in the Faculty of Arts and Science according to the various grades (excluding sessional instructors and demonstrators) is as follows:

Professors	28
Associate Professors	7
Assistant Professors	11
Lecturers	11
Instructors	3

3.—Recommended for Degrees, May, 1940.

The number of students recommended by the Faculty of Arts and Science for degrees in May, 1940, is as follows:

For the B.A. degree	86
For the B.Sc. degree	51
For the B.Com. degree	23
For the degree of B.Sc. in Household Economics	25

185

4.—Legislation, 1939-40.

The prescriptions for combined courses in Science and Medicine or Dentistry, Arts and Engineering, Arts and Agriculture, Arts and Law have been revised to conform with the new regulations in the Faculty of Arts and Science which came into effect in September, 1939.

To meet the needs of students who find it difficult to offer a second foreign language at matriculation, the faculty has established beginners' courses in Latin and French.

5.—General Remarks.

It is becoming increasingly difficult to find adequate classroom laboratory accommodation for a growing body of students. Laboratory facilities for classes in the sciences are greatly strained.

The war has not yet seriously affected the work of this faculty.

The increase or decrease in registration in each division of the faculty as compared with registration in 1938-39 follows:

B.A.	—16
B.Sc.	+31
B.Commerce	— 6
B.H.Economics	+ 1
B.Sc. in Household Economics	— 2

B.A., B.Sc. in Agriculture—No change.	
B.A., B.Sc. in Applied Science	— 3
B.A., B.Sc. Architecture	— 1
B.A., M.D.	—20
B.Sc., M.D.	+38
B.A., D.D.S.	— 2
B.Sc., D.D.S.—No change.	
B.A., LL.B.	+ 6
Partials	— 7
B.A., B.Com.	+ 2
B.Sc. and Applied Science	— 1
B.Sc. and Agriculture	+ 2

Report of Acting Dean F. A. Wyatt of the Faculty of Agriculture

The registration in the faculty of Agriculture continues to increase, that of the freshman class being forty per cent larger than in any previous year. This increase severely taxes accommodation and impairs the efficiency of laboratory instruction. It is doubtful if arrangements can be made to properly accommodate a similar increase in the year 1940-41. Senior matriculation will be the entrance requirement for the 1941-42 session: however we will still be faced with the pressing need for additional laboratory and classroom space.

It is worthy of mention that the Wheat Board Surplus has continued to award scholarships to worthy students recommended from the Schools of Agriculture.

It might be pointed out that for employment in technical agriculture, the M.Sc. degree is practically the minimum requirement. Six students have completed work for their M.Sc. degree this year. A few of our students are shaping their courses to qualify for entrance to the School of Education.

The faculty of Agriculture wishes to express its appreciation of the donation of a gold medal by the Alberta Locals of the Canadian Society of Technical Agriculturists. This medal is awarded to the student taking the highest standing in the graduating class of the year. It has been awarded for the last three years.

For the third time we have held a three-day short course for Land Inspectors in Alberta. This was acclaimed the most successful to date, being attended by seventy-five Land Inspectors.

Following is a brief report by departments of work undertaken in addition to the regular academic work:

Department of Poultry.

There was one new course introduced and some expansion in the other senior courses.

Department of Entomology.

Many requests for the identification of insect pests and for recommendations regarding control were received during the year. A survey was made of a widespread outbreak of Hessian Fly in central Alberta and an investigation was made regarding control measures which are adapted to local conditions. Studies in the bionomics and control of wireworms were continued.

Department of Dairying.

The usual instructional activities, including the Annual Creamery Short Course, were continued.

One of the major research studies of the year was conducted jointly with Dairy Research, Science Service, Department of Agriculture, Ottawa. This investigation has to do with the chemistry and bacteriology of certain types of deterioration of Western Canadian butters.

Dr. C. K. Johns, Science Service, Department of Agriculture, Ottawa, spent a portion of the summer in this laboratory on a joint investigation of certain phases of oxidation-reduction in milk.

Department of Agricultural Engineering.

This department is carrying on work which covers a very wide field: farm buildings, farm machinery and farm motors. The increased attendance has made it increasingly difficult to handle the laboratory work owing to the limitations of space. Many calls are made for help and advice in connection with the planning of farm buildings. The ever increasing use of power machinery makes it imperative that every possible contact be made in order to keep abreast of the many changes in the farm practices of the province. The head of this department is a member of the Agricultural Engineering Committee of the P.F.R.A. and the work of this committee has resulted in some valuable research work in tillage being carried on and correlated to the conditions found in this province. There continues to be a heavy demand for bulletins.

It would be practically impossible to carry on without the splendid assistance given by the farm equipment companies in loaning valuable machinery and thus providing material for our laboratory work.

Department of Horticulture.

The public has shown great interest in the experimental and research work. The number of visitors and the amount of correspondence continues to increase. The total yield from several hundred varieties of tree fruits, once thought to be too tender for this climate, has now reached ton proportions, and valuable information is accumulating on the most desirable varieties. An extensive planting of Russel lupines has provided a remarkable display of color, and scenes from it have been included in a natural color movie film that is in widespread demand. The gladiolus test garden has brought nation-wide recognition to the department. The work with vegetables has been increased. Research with growth-promoting substances has proven an aid to propagating a number of kinds of plants which formerly were available upon importation.

Department of Soils.

The soil survey of the province has been actively continued during the past year in co-operation with the Prairie Farm Rehabilitation organization. Reports of our surveys are made as completed, being issued in bulletin form. Standard sets of experiments are maintained upon our own fields and there is nothing new to report at present.

This department is branching out considerably in its experimental work. For sub-station experiments the farm at Breton continues to be the principal area. This year the acreage is being materially increased. Plans have been made for a further

ten-year test that will answer satisfactorily the action of different materials as fertilizers on the quality of wheat produced.

Department of Field Crops.

The past year has been a most interesting one in the Department of Field Crops. The work has covered such a variety of enterprises that there is space only for a few of the high lights.

1. Experiments with drought resistance in cereal crops: About 150 varieties and hybrids have been under test. A lot of this work is centered at Castor, Alberta, but acknowledgment must be made of opportunity for tests given by the Dominion Department of Agriculture at the Dominion Experimental Farms at Scott and Swift Current. It is a matter of great interest to find that some of the older and better known varieties stand near the bottom of the list in the test for yield. This of course is not conclusive but presents a direct challenge.

2. Quality survey in wooded areas: Tests are made in production and quality of certain crops at Beaverlodge Experiment Station, Athabaska, Mellowdale, Bon Accord and Warburg. In addition the School of Agriculture at Olds has assisted us in conducting these surveys in the western part of that district. Of course, our sub-station at Fallis is continuing its work.

3. I should like to report that our Swallow timothy and our Altaswede clover have been officially recognized and the University is now in a position to produce elite stock seed. Two new varieties of sweet corn have been put out by this department, the result of careful cross-breeding.

4. Outstanding work in seed treatment has been carried on during the year. Some striking results have been achieved in investigation into diseases of the Mountain Ash as reported from our Plant Pathology branch. Due acknowledgment must be made in regard to the splendid support given our laboratory of Cereal Chemistry by the National Research Council.

Department of Animal Husbandry.

The usual investigational work in connection with the breeding and nutrition of the various classes of farm animals was conducted during the year. A project which is of special interest has to do with the cobalt requirements of certain classes of stock. During the year a survey of soils and crops from the standpoint of cobalt content was undertaken and feeding trials were carried out. This project was made possible by a grant from the Dominion Department of Agriculture and was conducted in co-operation with the Department of Soils.

The eighteenth annual Feeder's Day was held in June and attracted a large attendance. This event is growing in popularity and as it is held during Farm Young People's Week, the young farmers who incorporate Feeder's Day in their program have an opportunity of learning the reports of the livestock experiments conducted during the year.

A small exhibit of market cattle was sent to the Chicago International Exposition in November and several worth-while awards were secured by the University of Alberta cattle.

Extension Work.

(a) Satisfactory relationship with the Provincial Department of Agriculture has been maintained as stated in previous reports. The Department uses members of

the staff of the Faculty of Agriculture in connection with the lectures at short courses, individual lectures, school fairs and club work. This has enabled the members of our staff to maintain a very desirable contact with the farming areas of the province.

(b) The following publications were made ready for distribution during the year:

- Bulletin No. 6—Plows and Plowing (revised).
- No. 19—Sheep Production in Alberta (revised).
- No. 32—Soil Survey Report of Lethbridge and Pincher Creek Sheets.
- Circular No. 5—Treatment of Seed Grain (revised).
- No. 23—The Use of Fertilizers in Alberta.
- No. 24—Asparagus in Alberta.
- No. 25—Rhubarb in Alberta.
- Leaflet No. 1—Cultural Methods for Growing Brome Grass and Slender Wheat Grass in Alberta (revised).
- No. 2—Cultural Methods for Growing Timothy in Alberta (revised).
- No. 3—Cultural Methods for Growing Alsike Clover in Alberta (revised).
- No. 4—Cultural Methods for Growing Red Clover in Alberta (revised).
- No. 10—Cultural Methods for Growing Sweet Clover in Alberta (revised).
- No. 20—Treatment of Miscellaneous Seeds (peas, beets, corn, etc.).

(c) There has been another marked increase in the amount of correspondence upon technical problems in agriculture. It has become a real difficulty to keep up with this work which we consider as a valuable service in the interests of agriculture throughout the province.

Report of Acting Dean J. J. Ower of the Faculty of Medicine

Herewith a short report of the activities within the faculty of Medicine, including the affiliated Schools of Pharmacy, Dentistry and Nursing, during the past session.

Pharmacy.

The Director of the School of Pharmacy reports a very successful year. Registered therein were fourteen students, including one woman, proceeding to a degree, and forty-six, including nine women, proceeding to a diploma. Lectures in Pharmacy are given by the School of Pharmacy to all medical, dental and nursing students attending the University, in addition to those students registered in the School itself.

In co-operation with the Council of the Alberta Pharmaceutical Association the regulations regarding apprenticeship before entering the School of Pharmacy have been materially stiffened, definitely raising the standards of preliminary training without affecting the flow of applicants for the course.

There is a commendable tendency for more graduates of the School of Pharmacy to pursue post-graduate studies. Four recent graduates are so engaged in Canada and the United States and one has recently returned from similar studies in London.

Dentistry.

The Director of the School of Dentistry also reports a successful session. There were fifty-seven students in the courses in Dentistry, thirteen of whom are in the graduating class.

On account of the necessity of limiting the number of students entering the school to a quota of fifteen in the second year, it has not been possible to admit students to the senior years as heretofore and all members of this year's graduating class have completed the full course here.

In February, the staff of the School of Dentistry conducted a three-day refresher course, which was well attended, especially by dentists from outside of Edmonton and including sixteen from Calgary. With this encouragement it has been decided to make this course an annual event.

Nursing.

The Director of the School of Nursing reports that there were seventy-six students registered in the degree course in Nursing and seventy in the diploma course. There is one student in the graduating class in the degree course who is completing her final year at the University of British Columbia. The graduating class in the diploma course consisted of twenty-three students.

The requirements for entrance to the School of Nursing have been raised to 60% senior matriculation standing with certain required sciences included.

The curriculum of the first year of the degree course in nursing has been altered to allow students not continuing in the course to proceed with other courses in the University.

The Director of the School of Nursing (Miss Agnes Macleod) has announced her intention of enlisting in the nursing service of the C.A.S.F. and arrangements have been made to carry on teaching in the School during her absence on war service.

Concerning the responsibility of this body for the administration of the Registered Nurses' examinations in the province, it may be reported that new regulations governing Schools of Nursing, including a new minimum curriculum, have been introduced during the year.

Medicine.

During the past session there were two hundred and thirty-three students, of whom seventeen were women, registered in the six years of the Medical course. In the graduating class thirty-five students, including three women, were recommended for the degree.

Early in the session, the Department of National Defence asked for the services of Dean Rankin for the position of Director of Hygiene Services, C.A.S.F., with the result that he transferred to the military forces in October last. As he had before leaving made all arrangements for the carrying on of teaching in the faculty during the session, the courses were brought to a conclusion with but little disturbance of the normal routine.

In addition the medical staff was further depleted by the enlistment of Dr. R. T. Washburn, Superintendent of the University Hospital, Dr. K. Hamilton of the department of Medicine and Dr. M. Weinlos of the department of Pathology. The entire personnel of Col. Washburn's unit, No. 4, C.C.S., is composed of

recent graduates of the Faculty of Medicine. All these officers, with the exception of Colonel Rankin, are now overseas with the expeditionary force.

Concerning the status of the medical school it will be remembered that two years ago at our request an inspection was made by an officer of the American Association of Medical Colleges and as a result our status on the approved list of medical schools was unchanged. The inspection report was on the whole very favourable. Two criticisms and suggestions were made and these were dealt with in Dean Rankin's report to you one year ago. They referred to the inadequacy of the building housing the University Hospital outdoor department, and to the desirability of increasing teaching facilities in the other city hospitals.

It gives great satisfaction to be able to report now that last autumn the Government came to our assistance and allotted to the University Hospital part of the ground floor and one-half of the third floor of the new Provincial Building on 101A Avenue, to be used for outdoor clinical purposes, and also contributed the services of the Public Works Department for the remodelling and equipment of these portions of the building with the result that we now possess a well arranged, modern outdoor department, quite adequate for our present teaching needs.

In regard to the other suggestion that we attempt to utilize other city hospital facilities to a greater extent, some progress has been made and the matter is under negotiation at the present time. Dr. W. C. MacKenzie and Dr. A. H. MacLennan have been added to our staff and seconded for teaching in the Royal Alexandra Hospital.

During the past session the new obstetrical building of the University Hospital was completed and used in teaching. Albeit a small unit of only fifteen beds, nevertheless, it relieves to some extent the urgent need of the department of Obstetrics for more teaching material.

The annual Refresher Course held during Convocation week in the University Hospital was very successful last year.

The students' society, the Medical Club, a voluntary organization, was, on student initiative, converted into the Medical Undergraduates Society, composed of all medical undergraduates and financed by a compulsory fee approved of, and collected at registration for the organization, by the University authorities. The officers of this society now completely represent medical student opinion and wishes.

Report of Acting Dean N. C. Pitcher of the Faculty of Applied Science

The number of undergraduates in this faculty during the current session is 296, which is 13 more than last year.

The distribution among years and departments is as follows:

First Year	124
Second Year	62
Third Year:	
Architecture	0
Chemical Engineering	16
Civil Engineering	7
Electrical Engineering	11
Mining	25
Engineering Physics	1
	— 60

Fourth Year:

Architecture	2
Chemical Engineering	8
Civil Engineering	10
Electrical Engineering	10
Mining	19
Engineering Physics	1
	— 50

Students in the Combined Courses are not included in this summary.

The academic standard of the students in the Fourth Year in every branch of the faculty, with the exception of Civil Engineering, was unusually low this year. I am not sure of an explanation of this though perhaps one of the reasons was the overcrowded lecture rooms, inadequate laboratory space, lack of necessary equipment and too small a staff, the members of which are carrying in most cases too heavy a teaching load, all combined to make impossible detailed and personal attention to the students.

Graduates are finding positions readily in Mining and will likely in Civil, but as yet there is a difficulty in placing the graduates in Chemical and Electrical.

Summer employment for undergraduates is about the same as it has been in recent years.

Report of Dean J. A. Weir of the Faculty of Law

In the Law classes in the year just closing there was a total attendance of 59 in the full-time work in Law. Seventeen students were recommended to the Senate for the degree of Bachelor of Laws. There were 26 students in the Second Year and 16 in the First Year.

The work done by the students of the faculty has been of average quality. The unsettled external situation has not, as yet, had any very marked effect on academic work. Our present students and a great number of our past graduates are very active in the work of the Canadian Officers' Training Corps.

It is interesting to note that several of our graduates are filling important posts in the Army. One graduate is a senior officer in an Alberta battalion at present in England. Another is in command of a battery likewise overseas. Another is Adjutant of a battalion from the East now in England. As time progresses it is expected that there will be a steady movement of our students to the Army or the Air Force.

Our relations with the Benchers of the Law Society and in particular with the Legal Education Committee of the Benchers continue to be friendly. There is a continued co-operation in educational matters between the authorities of the Law Society and the Faculty of Law which is highly gratifying.

Associate Professor MacIntyre has returned to his active duties from sabbatical leave. Mr. H. A. Dyde has taken up duties with the Department of National Defence. During his absence his work has been taken on by other members of the staff.

Report of Dean G. M. Smith, Chairman of the School of Graduate Studies

1. During the academic year, 1939-40, 105 students have been registered in the School of Graduate Studies in candidature for higher degrees.

The distribution of graduate students, according to degrees sought, has been as follows:

<i>Degree</i>	<i>Men.</i>	<i>Women.</i>	<i>Total.</i>
Master of Arts	24	7	31
Master of Science	16	3	19
Master of Science (Agriculture)	13	13
Bachelor of Education (old style)	4	4
M.A. in Education	34	4	38
	—	—	—
	91	14	105

In addition, 24 graduates who are not candidates for any higher degree have been registered in the School as special graduate students.

The distribution of candidates for higher degrees according to department has been as follows:

Animal Husbandry	1
Biochemistry	6
Chemistry	9
Dairying	1
Education	42
English	12
Field Crops	6
Geology	3
History	6
Horticulture	2
Mathematics	1
Modern Languages	3
Philosophy	3
Political Economy	7
Soils	3
	—
	105

2. For the School of Graduate Studies, the important legislation of the year has been that of the Senate in December, 1939, which re-organized the higher degrees in Education. The degree of Master of Arts for students of Education has been abolished and the Bachelor of Education degree has ceased to be the advanced degree in Education. The new degrees in Education, Bachelor of Education and Master of Education, have been established. Students who have been awarded the Bachelor of Education degree under the old rules prior to December, 1939, may now be awarded the Master of Education degree.

3. Five students have applied for the two University of Alberta Research Scholarships. The School of Graduate Studies recommends that these two scholarships be awarded to:

Edith Alice Fleming, Department of English,
James Alexander Morrison, Department of Chemistry.

4. Through the generosity of the Philosophical Society, the School has been able to award in 1940, a scholarship of the value of \$100 to a deserving student with an exceptionally good record who, having completed work for the M.A. or

M.Sc. degree in the spring of 1940, is proceeding in the autumn to another university for further study. The School recommends that this scholarship be awarded to Archibald Gillies, M.Sc., who goes in the autumn to McGill University.

Report of the Provost, Dr. J. M. MacEachran

1.—*Students' Union.*

At the final meeting of the Committee on Student Affairs Mr. Dewis, President of the Students' Union, gave a very full report of the activities of the Students' Union for the session. It was the opinion of the Committee that the affairs of the Students' Union were very capably handled by Mr. Dewis and his executive council.

The financial statement showed a surplus of \$1,802.23 over expenditures as at March 30th. Part of this will be spent during the summer in fitting up a new room in the basement of Athabaska Hall for keeping athletic and other equipment. This expenditure, however, will still leave a substantial balance.

The clear, business-like manner in which the various items in the budget were explained by the Treasurer, Mr. Percy Powers, gave great satisfaction to the Committee.

2.—*Athletics.*

The increased interest which has been manifested recently in physical education and athletics in this province—and in the western provinces generally—has brought home to the University a sense of its responsibility for providing proper encouragement and leadership in these fields. A special effort is being made to raise the standards in physical education and to give such assistance and guidance to the students in their athletic activities as will make a real contribution to the life of the University and to the cultivation of those ideals for which the British Empire and her Allies are today strenuously engaged in defending.

3.—*Literary Society.*

In the various activities carried on under the auspices of the Literary Society, special mention must again be made of the work of the Philharmonic Society. During the session, this organization gave four performances, which crowded Convocation Hall, of the Gilbert and Sullivan operetta "Iolanthe." Two performances were also given in Calgary and were greatly appreciated. Much credit for the work of this organization must go to Mr. Atha P. Andrewe, a recent graduate in Law of this University, who, as an amateur in conducting, displays remarkable promise in this field.

4.—*Medical Services.*

We have been very fortunate in having no epidemic or illnesses of a particularly serious nature during the session. The financial statement of the Committee on Medical Services shows a balance of approximately \$450.00. The Committee has also on hand \$150.00 in bonds.

5.—*Discipline.*

There have been no cases of discipline sufficiently serious to necessitate a report to this body.

6.—*Introduction of Freshmen.*

The committee in charge of the introduction of freshmen did its work very satisfactorily. I feel confident that it assisted the freshmen very considerably in

adjusting themselves to the life of the University at the beginning of the session. A competent committee has been appointed to supervise this program at the opening of the 1940-41 session.

Report of the University Library by the Librarian, Mr. D. E. Cameron

During the year the work of the Library has been maintained in all its branches. Special attention has been given to filling in gaps in our periodical files, with the result that many discontinuities were removed, and valuable additions made to the files. The pressure of both book and reading-room space continues to be a major problem during both winter and summer terms, and the yearly addition of shelving required renders the Library's problem more acute each year. At present many parts of the Library have no more room for books—in Law, Agriculture and Medicine, for example—and it seems necessary soon to invite departments to scan their shelves with a view to discarding the older and less useful material. The effort to maintain as much reading space as possible holds the shelves in an uncomfortable state of congestion and makes the tasks of the staff more difficult.

The binding programme has been maintained, and the presence of an efficient bindery in the University is one of the greatest comforts the Library has.

During the year relations with other libraries have been exceedingly helpful to us, the facilities of the inter-library loans being of great value. During the year almost 100 books were lent to us by other libraries; we make such return as we can, and have been able in part to repay the courtesy extended to us by others.

At the outbreak of the war all library material of German origin was cut off, but in the early spring the Dominion Government, following the lead of Great Britain and France, agreed to allow German books and periodicals, which the University can certify to be essential to the proper conduct of its work, to be imported through the National Research Council. This concession will be carefully used by the Library, and importations will be kept to the required limit. So far the war has only affected purchases by slowing up deliveries, but it may be expected that many books will go out of print, and that certain other difficulties may appear.

The reduced postal rates recently granted on circulation of library books has called for a change in the method of circulating books to students registered for Summer School, which, while reducing the cost, slows up the circulation. As a result it will be found to be more difficult to supply books to students who register late, and it may be found necessary for the library to set a date after which names cannot be added to the list of students who can have books sent out to them for use before Summer School.

During the year, several important gifts were received by the Library. Dr. Hastings Mewburn gave to the Library the medical library of the late Colonel Mewburn, which contains many items of value, and this gift is greatly appreciated. The College of Physicians and Surgeons of the Province again gave a grant of \$200.00 for the purchase of medical books, and a further sum of \$75.00 towards the purchase of a copy of the reprint of Vesalius *Icones Anatomicae*, the original woodcuts of which were recently found in Munich University Library. A notable addition to the Library this year has been the generous gift of Colonel J. H. Woods of Calgary, who gave to the Men's Faculty Club the sum of \$1,000.00 to initiate a special collection of books on Canadian-United States Relations. The sum

given by Colonel Woods has been augmented by the further gift of \$500.00 presented by a personal friend of Colonel Woods. A committee of the Faculty Club has been at work on the task of book selection, and already a very valuable and interesting collection is appearing on our shelves. At present, this collection is being held as a unit collection, known as the Colonel J. H. Woods Library.

During the year the Library has again received many donations of books and periodicals which have been duly acknowledged.

The number of accessioned books is now 69,892, an increase in the year of 2,810.

**Report of the Director of the Department of Extension,
Mr. Donald Cameron**

Statistical Survey.

Number of lectures and moving picture programmes	166	
Aggregate attendance		16,112

Radio.

Radio lectures, General and Agricultural	559	
Registrations in radio language courses		58
Total number studio programmes	94	
Total number Remote Control programmes	23	
Total number School broadcasts	101	
Total number Symphony hours	167	
Total number Plays	20	
Total number hours broadcasting	1,360	

Library and Debating Service.

Number of Regular Libraries circulated	241	
Number of Special Libraries circulated	104	
Travelling Library circulation:		
Regular	13,068	
Special	6,742	
		19,810

Number of groups receiving Travelling Libraries:

Regular	215
Special	397

Open Shelf circulation:

Books	20,323	
Pamphlets and clippings	1,559	
Periodicals	1,128	
		23,010

Books sent to Alberta School of Community Life	230	
Books sent to Banff School of Fine Arts	650	
Communities supplied with single plays (adult, juvenile)	352	
Number of adult single plays sent out	1,675	
Number of juvenile single plays sent out	143	
Number of juvenile collections	340	
Number of adult collections	780	
		2,938
Number of package libraries for debaters	508	
Each set used by 4 people		2,032

Visual Instruction.

Number of times lanterns loaned	66	
Sets of lantern slides circulated	839	
Number of times used	1,332	
Aggregate attendance lantern lectures		85,000
Sets of film-slides circulated	1,292	
Number of times used	1,940	
Aggregate attendance		64,000
Sets of moving picture films circulated	1,201	
Number of reels in sets	5,576	
Number of showings	2,127	
Aggregate attendance at moving picture programmes		225,517

Conferences.

University Week for Farm Young People:

Delegates	150
Leaders	4
Visitors	10

164

Refresher Course in Municipal Administration	115
Land Inspectors' Short Course	100

Study Groups.

Sets sold in: General Economics, Political Science, Social Planning, Co-operation, Psychology, Psychology for Parents, Community Problems, Dramatics, International Affairs (1940)	335
Sets of study group material sold to Saskatchewan	75
Sets of study group material sold to British Columbia	28
	438

Estimated attendance at study groups in Alberta	1,675
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Number of students in W.E.A. study classes:

In Calgary (4 classes)	123
In Edmonton (5 classes)	95

Youth Training Programme.

Number of schools	34
Number of staff members	32
Total attendance at schools	2,572

Publications.

Press Bulletins:

Number of issues	1
Circulation	5,500

Agricultural Publications:

Number sent out during the year	25,746
Number individual requests received	3,900
Total number sent out since January 1, 1923	272,888
Bulletins distributed prior to January 1, 1923	25,000

Fine Arts.

Enrolment at Banff School of Fine Arts (Edmonton and Banff)	176
Enrolment at Art Schools, Vegreville, Lethbridge and Grande Prairie	37

213

Number of hours of class teaching to Youth Training staff, Youth Training Schools, Public and High Schools, Young People's organizations, etc.	120
<i>Alberta School of Community Life.</i>	
Attendance	123
<i>Recapitulation.</i>	
Total aggregate attendance at lectures, lantern slide lectures, moving picture programmes, Farm Young People's Week, Study Groups, Banff School of Fine Arts, Art Schools at Vegreville, Lethbridge and Grande Prairie, Alberta School of Community Life, Youth Training Schools, Refresher Course in Municipal Administration, Land Inspectors' Short Course, Language Courses, adjudications	395,649
Total circulation of books, travelling libraries, package libraries, plays, periodicals	47,780
Total circulation of Press Bulletin and Agricultural publications...	31,246

NOTE.—The statistics do not mean separate individuals, as a great many people receive more than one service from the Department.

Conclusion.

This report concludes the 27th year of service of the Department of Extension, and for the second time in its brief history its activities must be carried on in a world at war. In such a time it would seem that there is a special need for a close relationship between a university and its constituency in order that those values in the community for which a university stands may be strengthened and made more durable. It is the task of the Department of Extension to play its part in meeting that need to the fullest extent that its facilities will permit.

Report of the Acting Director of the Provincial Laboratory, Dr. J. J. Ower —January, 1939, to December, 1939

I have the honor to submit the following report of the work carried out in the Provincial Laboratory for the year 1939. The normal amount of work has increased slightly; approximately two thousand examinations. The emergency work requested by the Department of Agriculture, i.e., examination of chicken bloods and the preparation of horse encephalitis vaccine for which temporary special provision had been made, has been greatly reduced.

In October the services of Dr. A. C. Rankin, the Director of the Laboratory, were requested by the Department of National Defence for the position of Director of Hygiene Services, C.A.S.F., and as a result he was given leave of absence by the University authorities to take over this war-time post. Dr. R. M. Shaw became Acting Provincial Bacteriologist during his absence. Temporary replacement for Dr. Rankin in the department of Bacteriology will be made as soon as a suitably trained substitute can be found.

The establishment of a special veterinary pathological laboratory by the Government has relieved this laboratory of the numerous animal pathological examinations for which we were poorly equipped to undertake. Even with this relief the laboratory has been pushed to capacity in congested quarters. Lack of desk and storage space is a real problem and results in cluttering up the working areas, also the forced elimination of pathological material, received from surgical operations, before the normal disposal time.

